**NAME OF WORK:- Providing Energy Efficient street lights, Real time Street Light Control switches, Control Wires, poles, ABC cable and other accessories in Ward No 03 & 02**

Date of Measurement : 10/12/22 & 27/2/23

Detailed Measurements

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 1 | Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3) (V-I.No 1.4,Page No-5 PWD SR 2021-22) | | | | | | |
| | **For Pole Pedestral** | | | | | | |
| | **Doddaballapur Main Road** | | | | | | |
| | From Indian Petrol Bunk to Vidyapeeta School | 31 | 1.00 | 0.70 | 1.60 | 34.72 | |
| | **Yelahanka Lake Beside Road** | | | | | | |
| | | 68 | 0.60 | 0.60 | 1.00 | 24.48 | |
| | **Attur Lake Double Road** | | | | | | |
| | Kempanahalli Road | 33 | 0.60 | 0.60 | 1.00 | 11.88 | |
| | | | | | **Present Qty** | **71.08** | **Cum** |

Contractor

SILICON CONSULTING ENGINEERS
Consultant

27/2/23
Assistant Engineer

27/2/23
Asst. Executive Engineer,

**NAME OF WORK:- Providing Energy Efficient street lights, Real time Street Light Control switches, Control Wires, poles, ABC cable and other accessories in Ward No 03 & 02**

Date of Measurement : 13/12/22 to 1/03/23

Detailed Measurements

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 2 | Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates (V-1, P.No-15, I No-2.1.3 of PWD SR 2021-22) | | | | | | |
| | **For Pole Pedestral** | | | | | | |
| | **Doddaballapur Main Road** | | | | | | |
| | From Indian Petrol Bunk | 31 | 1.00 | 0.70 | 0.10 | 2.17 | |
| | **Yelahanka Lake Beside Road** | | | | | | |
| | | 68 | 0.60 | 0.60 | 0.10 | 2.45 | |
| | **Attur Lake Double Road** | | | | | | |
| | Kempanahalli Road | 33 | 0.60 | 0.60 | 0.10 | 1.19 | |
| | | | | | **Present Qty** | **5.81** | **Cum** |

Contractor

SILICON CONSULTING ENGINEERS

Consultant

Assistant Engineer 1/03/23

Asst. Executive Engineer, 01/03/23

**NAME OF WORK:- Providing Energy Efficient street lights, Real time Street Light Control switches, Control Wires, poles, ABC cable and other accessories in Ward No 03 & 02**

Date of Measurement : 16/12/22 to 3/03/23

Detailed Measurements

| Item No | Discription of Item | Side | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|
| 3 | Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.(V-III, I.No 13.1 Page No 99, PWD SR 2021-22) | | | | | | | |
| | **Doddaballapur Road** | | | | | | | |
| | From Indian Petrol Bunk to Vidyapeeta School | | | | | | | |
| | Total Pole=31 Nos | | | | | | | |
| | Main bar 12mm dia bar | | | | | | | |
| | Stirrup 10mm dia | | | | | | | |
| | Main Bar-14 | 14 | 31 | 2.30 | | 0.89 | 888.40 | |
| | Stirrup-10 | 10 | 31 | 2.85 | | 0.61 | 538.94 | |
| | **Yelahanka Lake Beside Road** | | | | | | | |
| | Total Pole=68 Nos | | | | | | | |
| | Main bar 12mm dia bar | | | | | | | |
| | Stirrup 10mm dia | | | | | | | |
| | Main Bar-4 | 4 | 68 | 2.00 | | 0.89 | 484.16 | |
| | Stirrup-10 | 10 | 68 | 2.25 | | 0.61 | 933.30 | |
| | **Attur Lake Double Road** | | | | | | | |
| | **Kempanahalli Road** | | | | | | | |
| | Total Pole=33 Nos | | | | | | | |
| | Main bar 12mm dia bar | | | | | | | |
| | Stirrup 10mm dia | | | | | | | |
| | Main Bar-4 | 4 | 33 | 2.00 | | 0.89 | 234.96 | |
| | Stirrup-10 | 10 | 33 | 2.25 | | 0.61 | 452.93 | |
| | | | | | | | 3532.68 | |
| | | | | | | **Present Qty** | **3.53** | **Ton** |

4.05

Contractor

SILICON CONSULTING ENGINEERS

Consultant

Assistant Engineer

Asst. Executive Engineer,

**NAME OF WORK:- Providing Energy Efficient street lights, Real time Street Light Control switches, Control Wires, poles, ABC cable and other accessories in Ward No 03 & 02**

Date of Measurement : 19/12/22 to 04/01/23

Detailed Measurements

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 4 | Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to | | | | | | |
| | **For Pole Pedestral** | | | | | | |
| | **Doddaballapur Main Road** | | | | | | |
| | From Indian Petrol Bunk to Vidya Peeta School | | | | | | |
| | BL GL | 31 | 1.00 | 0.70 | 1.50 | 32.55 | |
| | AB GL | 31 | 1.00 | 0.40 | 0.50 | 6.20 | |
| | **Yelahanka Lake Beside Road** | | | | | | |
| | BL GL | 68 | 0.60 | 0.60 | 0.90 | 22.03 | |
| | AB GL | 68 | 0.30 | 0.30 | 0.30 | 1.84 | |
| | **Attur Lake Double Road** | | | | | | |
| | Kempanahalli Road | | | | | | |
| | BL GL | 33 | 0.60 | 0.60 | 0.90 | 10.69 | |
| | AB GL | 33 | 0.30 | 0.30 | 0.30 | 0.89 | |
| | | | | | **Present Qty** | **74.20** | **Cum** |

For M/s SUVARNA ELECTRICALS

Contractor

SILICON CONSULTING ENGINEERS Consultant

Asst. Engineer 04/01/23.

Asst. Executive Engineer 04/01/23

**NAME OF WORK:- Providing Energy Efficient street lights, Real time Street Light Control switches, Control Wires, poles, ABC cable and other accessories in Ward No 03 & 02**

Date of Measurement : 19/12/23 to 16/1/23

Detailed Measurements

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 22 | Earth work excavation for cable trench of 0.4 to 0.6 Mtr. Width and Depth upto 1 Mtr including trial pits, depositing on bank upto a lead of 50 Mtr, Supplying and Displaying necessary Danger Boards and Lighting, Using sight Rails and Sign Boards at every 100 Mtr wherever necessary as directed In Ordinary Soil | | | | | | |
| | **Doddaballapura Main Road** | | | | | | |
| | From Indian Petrol Bunk to Vidyapeeta School | | | | | | |
| | P-1 to P2 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-2 to P3 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-3 to P4 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-4 to P5 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-5 to P6 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-6 to P7 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-7 to P8 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-8 to P9 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-9 to P10 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-10 to P11 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-11 to P12 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-12 to P13 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-13 to P14 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-14 to P15 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-15 to P16 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-16 to P17 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-17 to P18 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-18 to P19 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-19 to P20 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-20 to P21 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-21 to P22 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-22 to P23 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-23 to P24 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-24 to P25 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-25 to P26 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-26 to P27 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-27 to P28 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-28 to P29 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-29 to P30 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-30 to P31 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | **Yelahanka Lake Beside Road** | | | | | | |
| | P-1 to P2 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-2 to P3 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |

Assistant Executive Engineer (El... BBMP, Bangalore

M/s LAKSHA ELECTRICALS Proprietor
Contractor

SILICON CONSULTING ENGINEERS
Consultant

K.N. Boddu
Asst. Engineer

K.N. Boddu
Asst. Executive Engineer
16/1/23

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | P-3 to P4 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-4 to P5 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-5 to P6 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-6 to P7 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-7 to P8 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-8 to P9 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-9 to P10 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-10 to P11 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-11 to P12 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-12 to P13 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-13 to P14 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-14 to P15 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-15 to P16 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-16 to P17 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-17 to P18 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-18 to P19 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-19 to P20 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-20 to P21 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-21 to P22 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-22 to P23 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-23 to P24 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-24 to P25 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-25 to P26 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-26 to P27 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-27 to P28 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-28 to P29 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-29 to P30 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-30 to P31 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-31 to P32 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-32 to P33 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-33 to P34 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-34to P35 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-35 to P36 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-36 to P37 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-37 to P38 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-38 to P39 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-39 to P40 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-40 to P41 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-41 to P42 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-42 to P43 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-43 to P44 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-44 to P45 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-45 to P46 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-46 to P47 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-47 to P48 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-48 to P49 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-49 to P50 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |

Assistant Executive Engineer
Bargarh

M/s SUBHASHA ELECTRICALS
Contractor

SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Asst. Executive Engineer
16/1/23

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | P-50 to P51 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-51 to P52 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-52 to P53 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-53 to P54 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-54 to P55 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-55 to P56 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-56 to P57 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-57 to P58 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-58 to P59 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-59 to P60 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-60 to P61 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-61 to P62 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-62 to P63 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-63 to P64 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-64 to P65 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-64 to P66 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-66 to P67 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-67 to P68 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | **Attur Lake Double Road** | | | | | | |
| | Kempanahalli Road | | | | | | |
| | P-1 to P2 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-2 to P3 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-3 to P4 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-4 to P5 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-5 to P6 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-6 to P7 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-7 to P8 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-8 to P9 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-9 to P10 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-10 to P11 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-11 to P12 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-12 to P13 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-13 to P14 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-14 to P15 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-15 to P16 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-16 to P17 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-17 to P18 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-18 to P19 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-19 to P20 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-20 to P21 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-21 to P22 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-22 to P23 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-23 to P24 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-24 to P25 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-25 to P26 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-26 to P27 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-27 to P28 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |

Assistant Executive Engineer (P
BBMP, Bangalore

M/s SHIKSHA ELECTRICALS
Contractor

Proprietor
SILICON CONSULTING ENGINEERS
Consultant

Asst. Engineer

Asst. Executive Engineer
16/1/23

| tem No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | P-28 to P29 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-29 to P30 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-30 to P31 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-31 to P32 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | P-32 to P33 | 1 | 28.00 | 0.40 | 0.60 | 6.72 | |
| | | | | | **Present Qty** | **866.88** | **Cum** |

ractor

Proprietor

SILICON CONSULTING ENGINEERS

Consultant

Asst. Engineer

Asst. Executive Engineer

Assistant Executive Engineer (E)
BBMP, Bangalore

**NAME OF WORK:- Providing Energy Efficient street lights, Real time Street Light Control switches, Control Wires, poles, ABC cable and other accessories in Ward No 03 & 02**

Date of Measurement : 19/12/23 16/1/23

Detailed Measurements

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| 23 | Refilling the cable trenches with selected available earth from trench excavation including watering, consolidation in layers of 15 cm. Thickness including depositing of the surplus earth with a lead of 200 Mtr | | | | | | |
| | Qty From Item No-22 | | | | | 866.88 | |
| | | | | | **Present Qty** | **866.88** | **Mtr** |

For M/s SURAKSHA ELECTRICALS

Proprietor

SILICON CONSULTING ENGINEERS

Contractor

Consultant

Assistant Engineer

Asst. Executive Engineer,

16/1/23